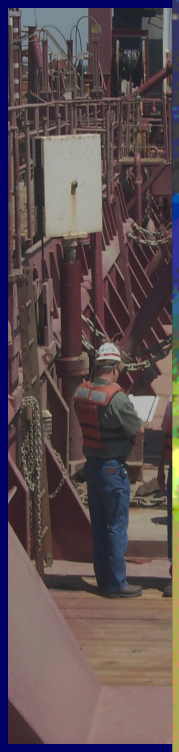
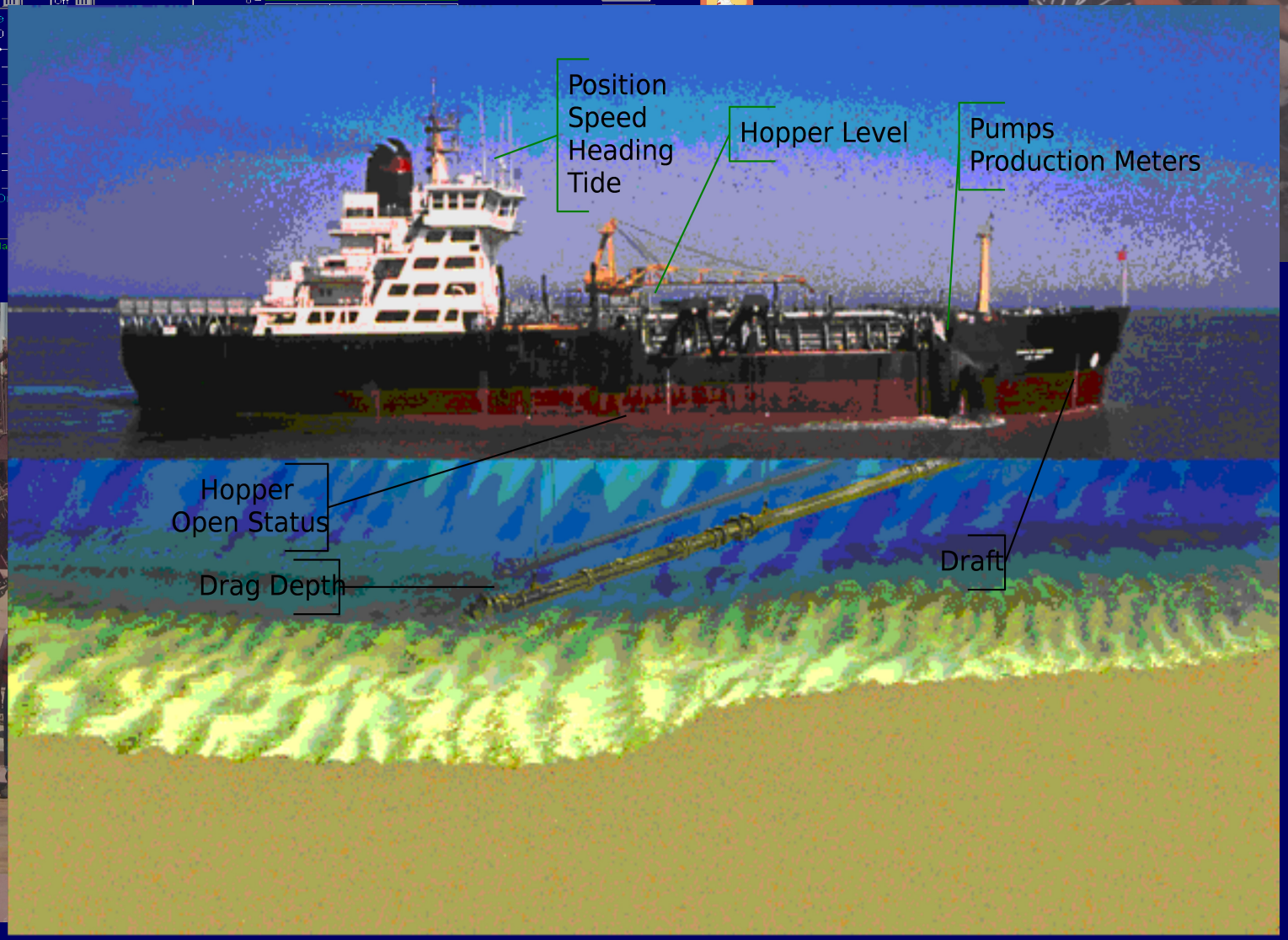
Silent Inspector National Implementation

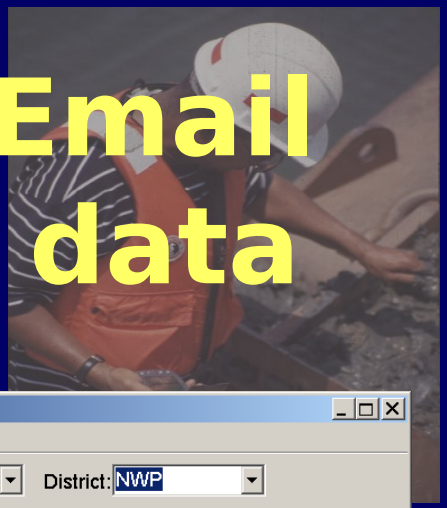
- Current Technical & Business Process
- Proposed National Business Process
- Impacts on Contracting and Quality Assurance
- SI role in Current Stakeholder Issues

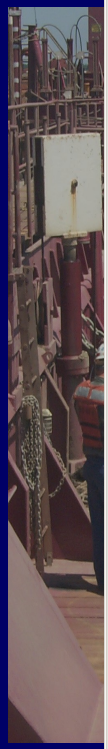
Hopper SI Measurements





Disposal Locations - Email Load Report - Export data program





SI Load Report - Mozilla

File Edit View Go Bookmarks Tools Window Help

file:///C:/DOCUME~1/ADMINI~1/LOCALS~1/Temp/im134414.html

Home | Bookmarks | The Mozilla Orga... | Latest Builds

Sugar Island Load #698

Load started	11:47 Sun 24 Aug 2003	Load Number	698
Dredge	Sugar Island	Contract	DACW57-03-C-0006

Production		
Prod Meter (Lt)	TDS (Lt)	Bin density (g/cc)
2768	2506	1.74

Time and Distance	
Distance (mi)	6.1
Dredging	00:55
Loaded	00:21
Dumping	00:02
Turning	00:03
Empty	00:19
Total	01:43

Ullage and Hopper		
	Displacement (Lt)	Volume (cyds)
Empty	3337	1789
Loaded	7085	2869

Disposal			
	Time	Easting (ft)	Northing (ft)
Begin	13:24 Sun	981261.0	648131.0
End	13:27 Sun	980958.0	648449.0

This is an automated report produced in near real-time by the Silent Inspector. If you wish to stop these emails or modify your rep
CHL-SICS@wes02.usace.army.mil.

Done

Dredge Data Export

File Data string About

Project | District: NWP

Channel

Contract_Numbe

Dredge

Time Axis

Determine Valid Ranges

Start Date/Time 2/ 1/2004 12:00:00 AM

End Date/Time 2/ 3/2004 12:00:00 AM

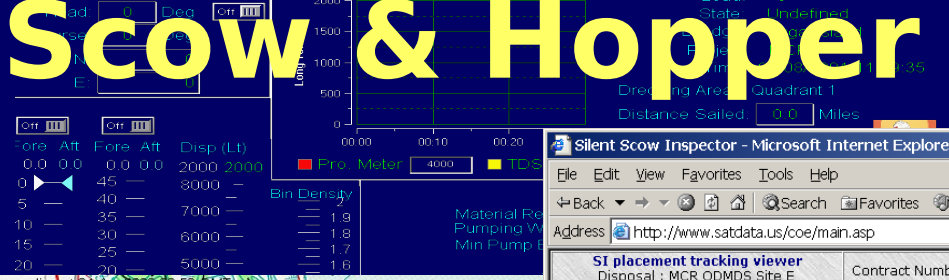
Time Axis

Detailed Hopper Dredge Data | Analyzed Hopper Dredge Data | Detailed Scow Data | Scow

- ☐ TDS
- ☐ Bin Density
- ☐ Empty Displacement
- ☐ Loaded Displacement
- ☐ Empty Hopper Volume
- ☐ Loaded Hopper Volume
- ☐ Trip Distance
- ☐ Load Production
- ☐ Disposal Locations
- ☐ Dredge Time
- ☐ To Cut Time
- ☐ Sail Full Time
- ☐ Disposal Time
- ☐ Turn Time
- ☐ Total Time
- ☐ Manual Bin Volume
- ☐ Computed Production Volume
- ☐ Manual/Computed bin diff.

✘ Close

Scow & Hopper Tracking



Silent Scow Inspector - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Search Favorites Media

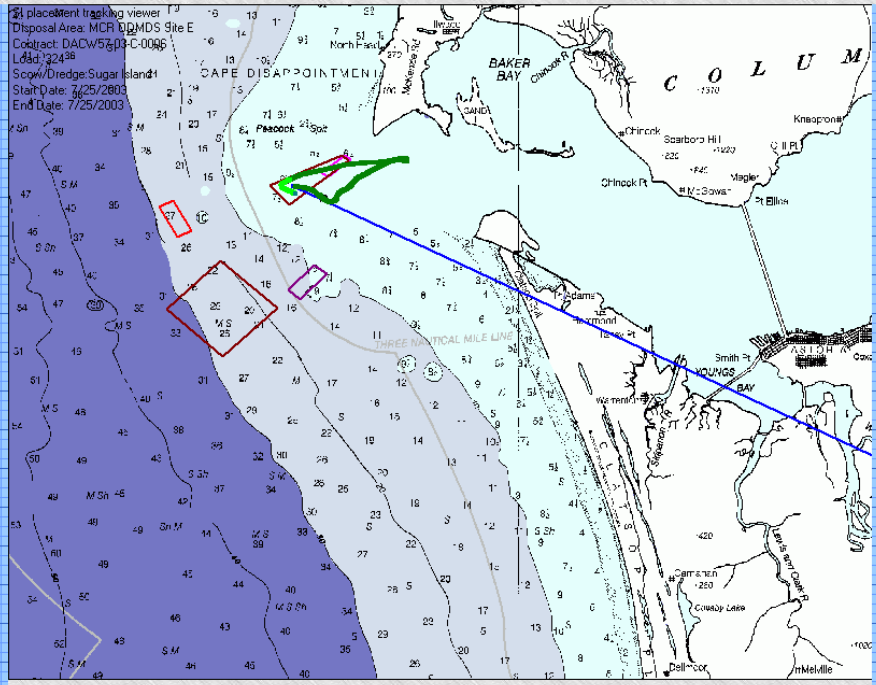
Address http://www.satdata.us/coe/main.asp

Go Links

SI placement tracking viewer
Disposal : MCR ODMDS Site E
District : NWP
Date : 7/25/2003
Days Back : 1

Contract Number DACW57-03-C-0006
Dredge/Scow Sugar Island
Load Number 324

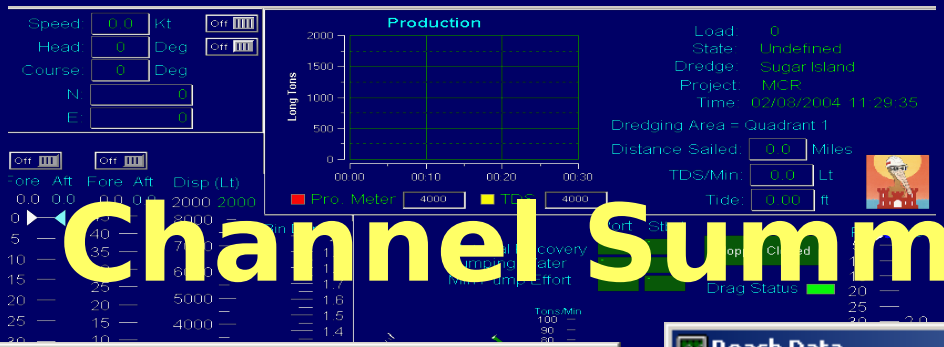
Back Zoom + Zoom -
Data Dataset
Mailable Link

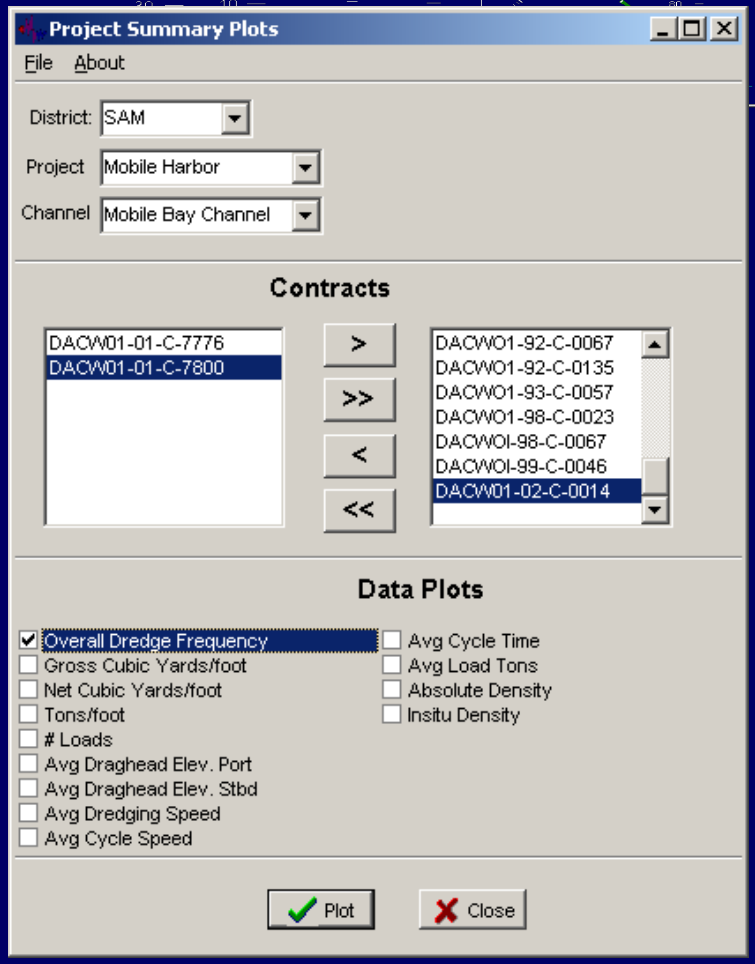


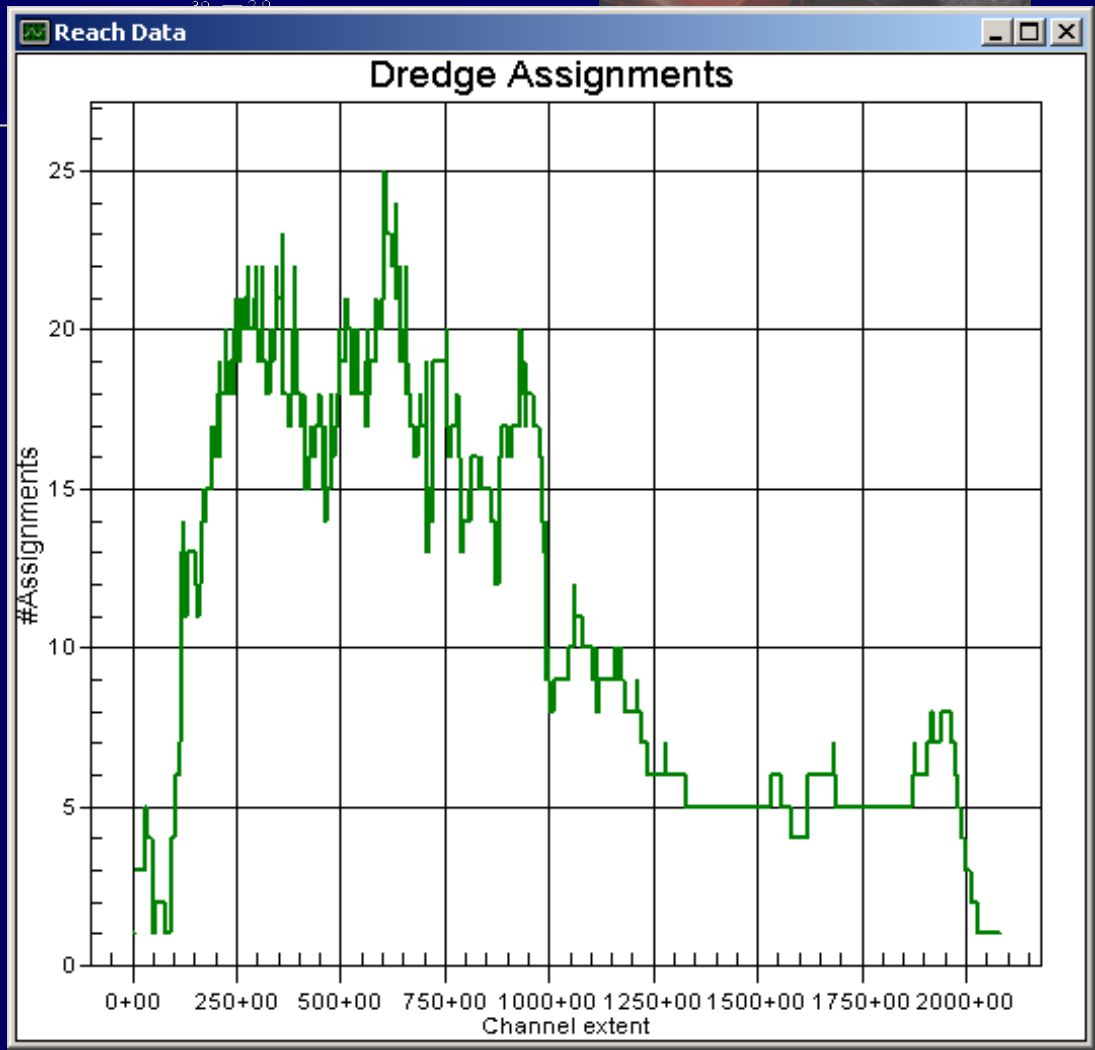
Done

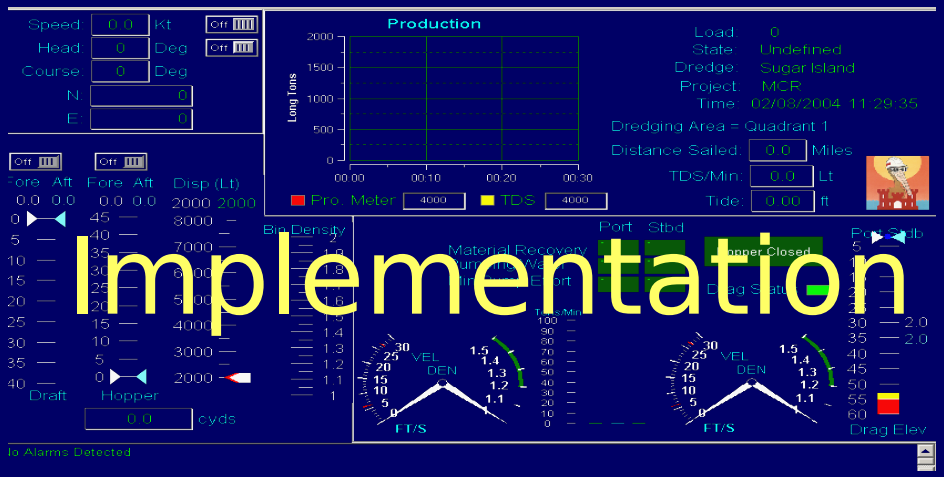
Internet

Channel Summary Data





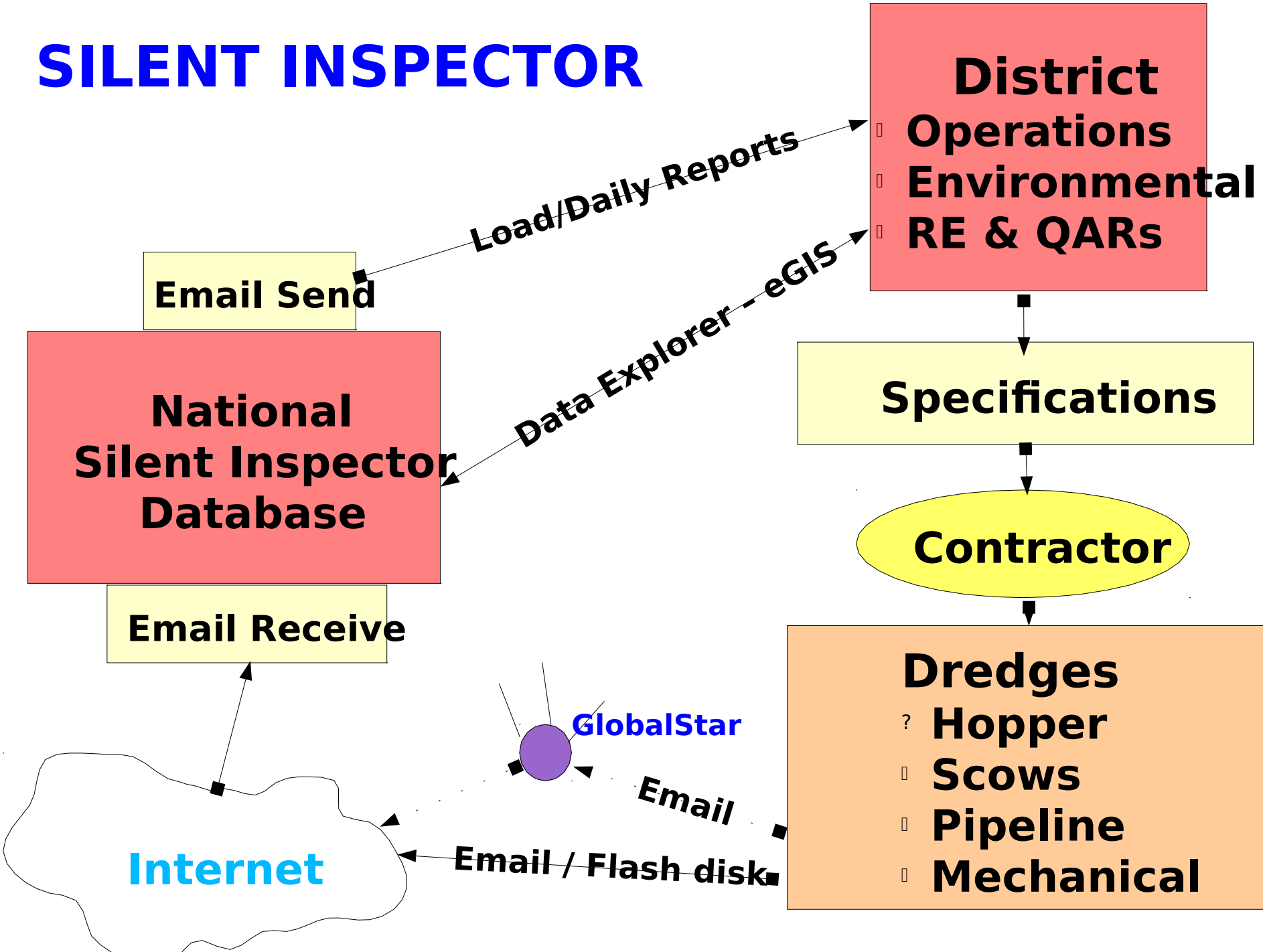




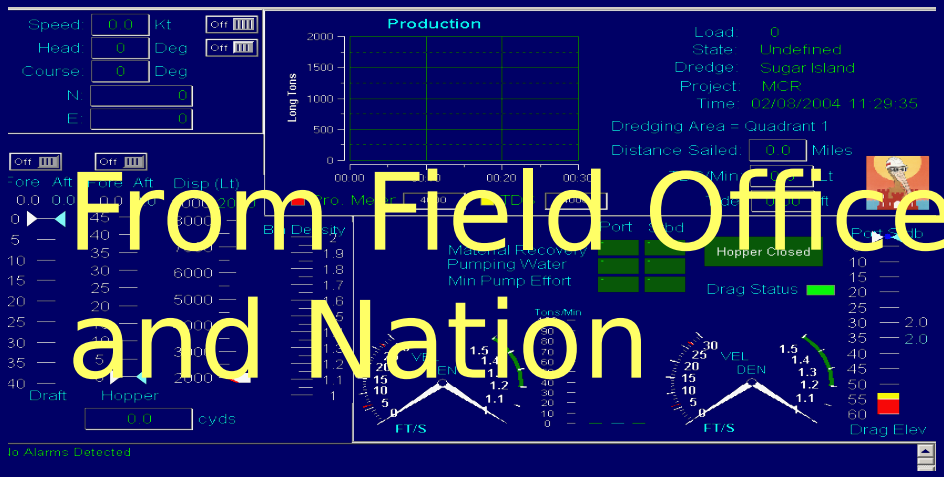
Implementation Principles

- Partnership with Dredging Industry
- Report the Contractor's Data
- Performance based specification
- Rigorous Data Quality Assurance

SILENT INSPECTOR

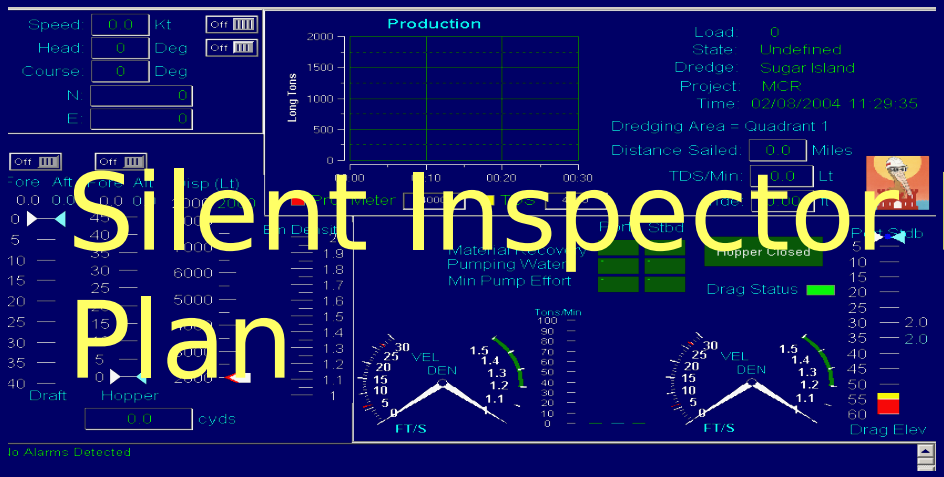


From Field Office to Region and Nation



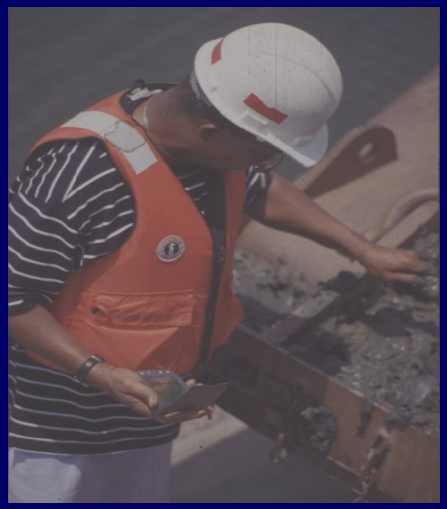
- Field Office
  - Payment
  - Environmental Compliance
  - Reduced QAR manpower
- Regional & National
  - Threatened & Endangered Species
  - Overdepth dredging
  - EPA & MMS compliance monitoring
  - Regional Sediment Management

Silent Inspector Business Plan



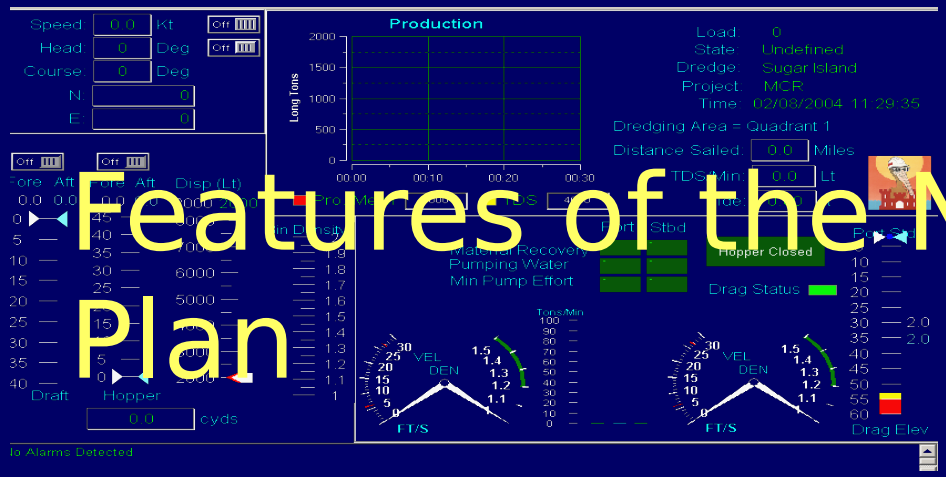
- National Always-On automated dredge monitoring
- National Operations Support team
- Evolve with 2012 Team of Teams
- Operations Improvements
  - Include smaller contracts & districts
  - Transition support from R&D
  - Decision Support
  - eGIS integration

Business Plan -



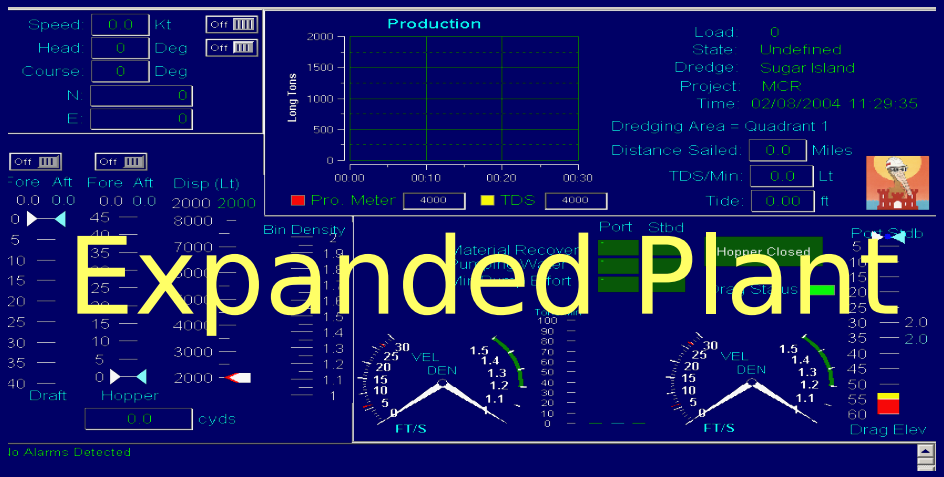
Function	Oversight & Funding
Routine Operations, Support & Training	HQOP (funding) SAMOP
R&D for continuous improvement	ERDC - DOER
Virtual Team of Teams	Board of Directors

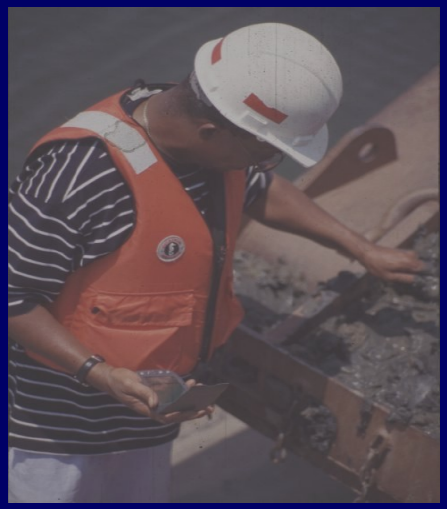
Features of the National Plan



- Expanded Project Monitoring
- Include Regulatory
- Expanded Dredge types
- Simplify Dredge SI Certification
- Centralized Support under Operations
- Regional & National Stakeholders

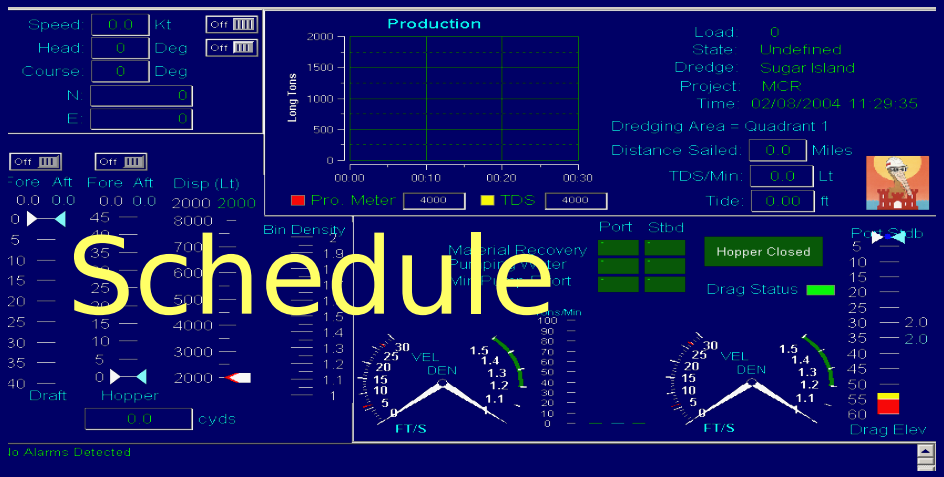
Expanded Plant

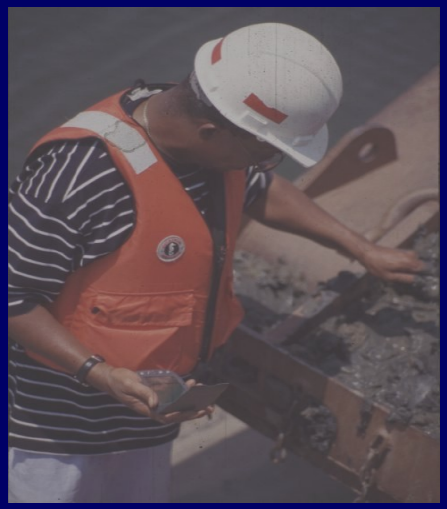




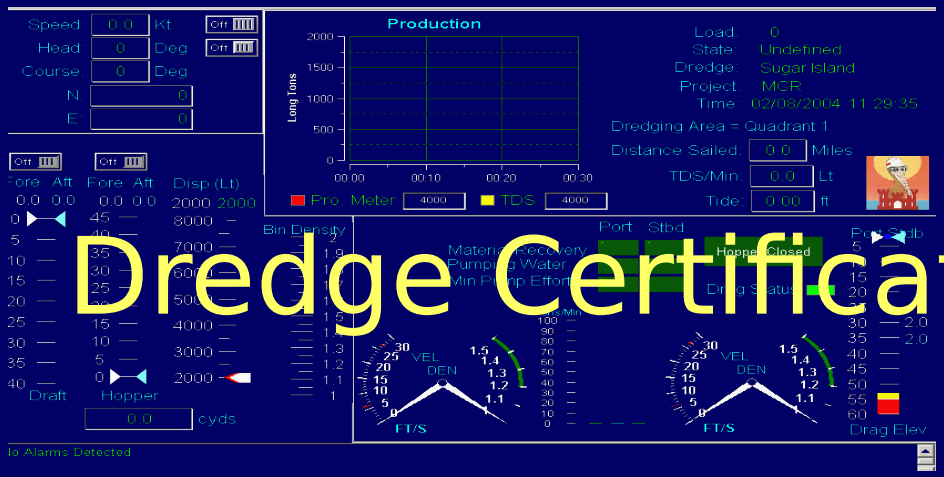
- All Hoppers
  - Include all Government Hoppers
- All Scows
  - Minimum of Tracking Profile
  - Monitoring or TDS Profile speced by ODMP
- Pipelines > 30”, + *Goetz* & *Oregon*
- Mechanical dredges TBD

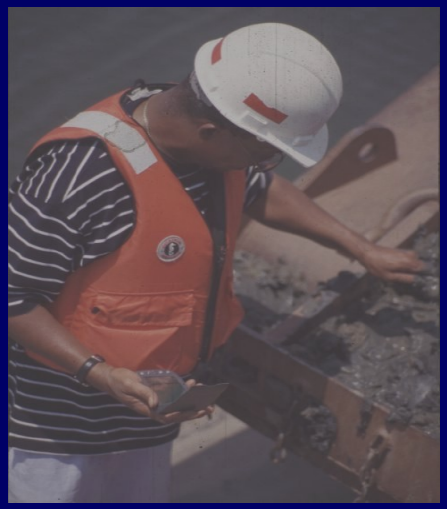
Schedule





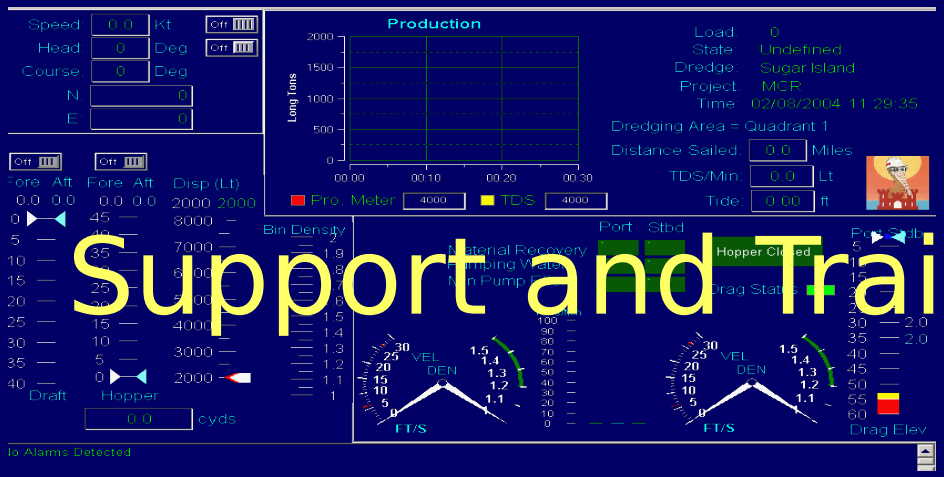
FY	2006	2007	2008	2009
Hopper	Always-on	Always-on	Always-on	Always-on
Scow	Always-on	Always-on	Always-on	Always-on
Pipeline	Goetz, Oregon	4 – > 30in	All > 30”	All > 18”
Mechanical	TBD	TBD	TBD	TBD



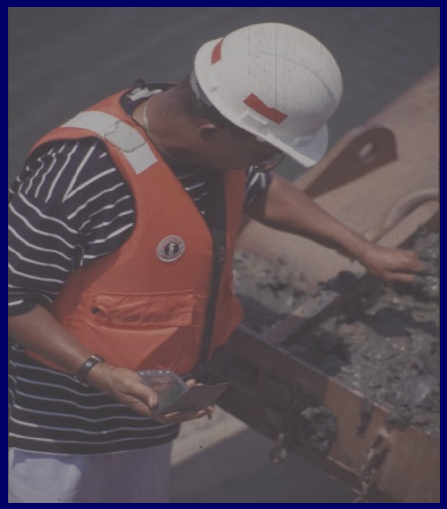


Dredge Certification

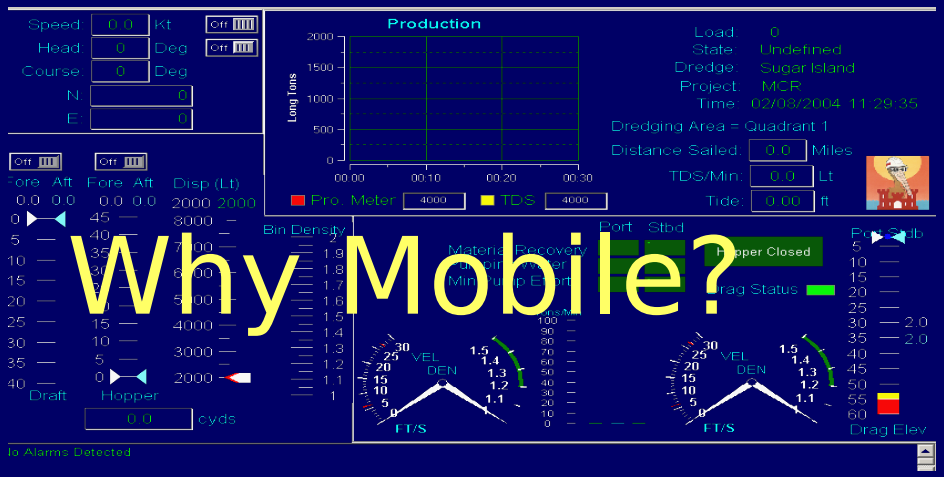
- Current Process
  - Certification Inspection by SI QA engineer
  - Letter from District CO
  - Not strictly transferable
  - No Continuing Control
- New Process
  - Inspection w/o contract
  - National Certification Letter
  - Web page with Certification list
  - Resourced by National team



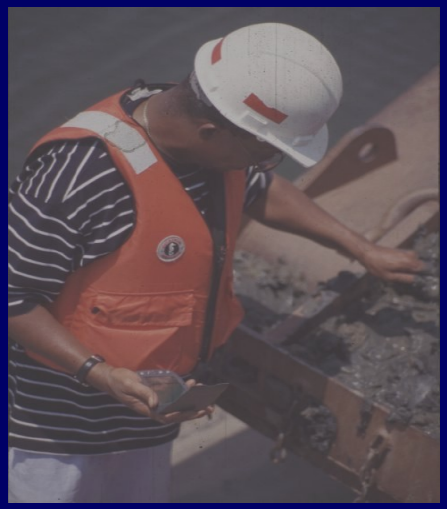
Support and Training



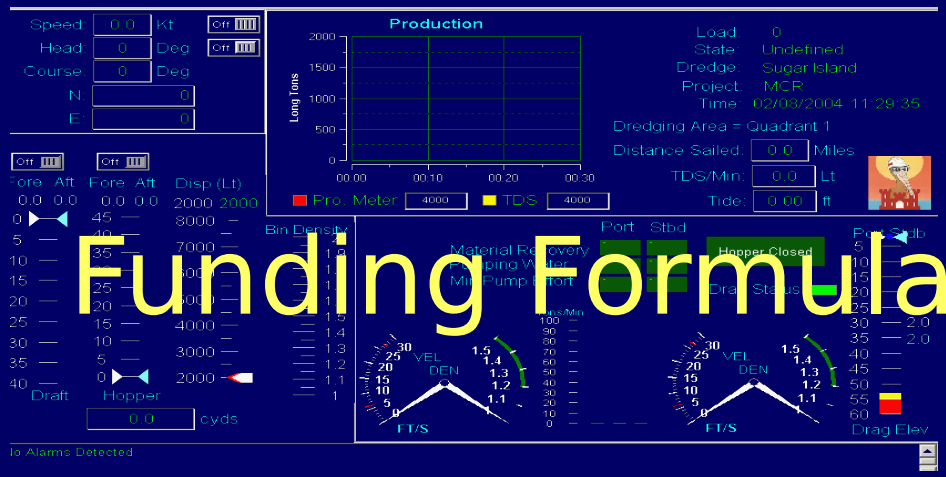
- Resourced by National Team
- Regional/Division training
- Integrate with QAR course
- Central Support team under Mobile District Operations
- Database Maintenance



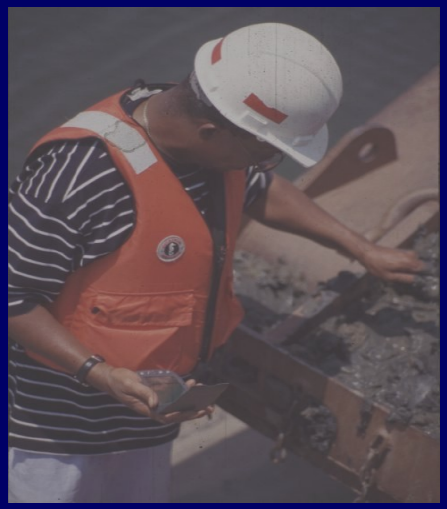
Why Mobile?



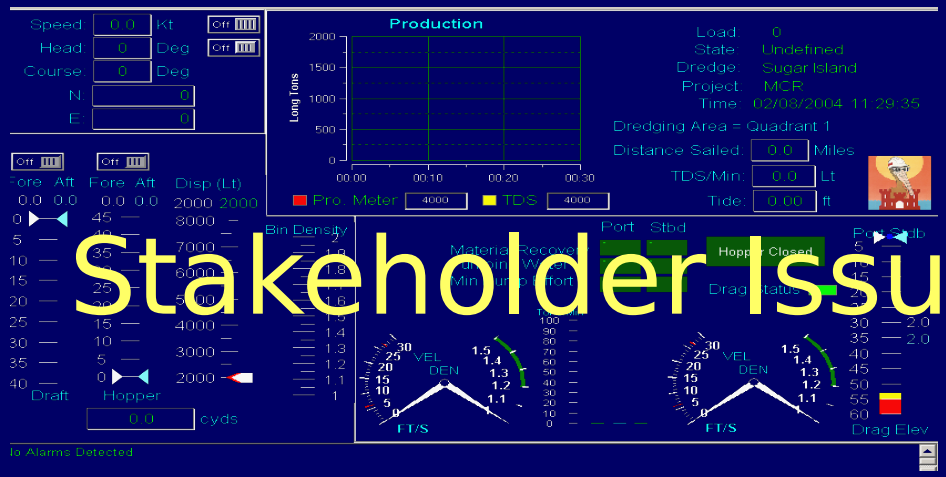
- 6 Years SI monitoring of contracts
- Successful SHOALS transition from R&D
- SI Synergy with eCoastal & eGIS
- Experience with Ops, R&D, & IM teaming
- Required IT infrastructure in place



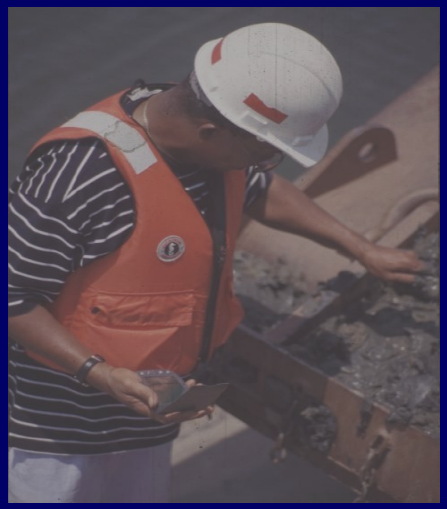
Funding Formula



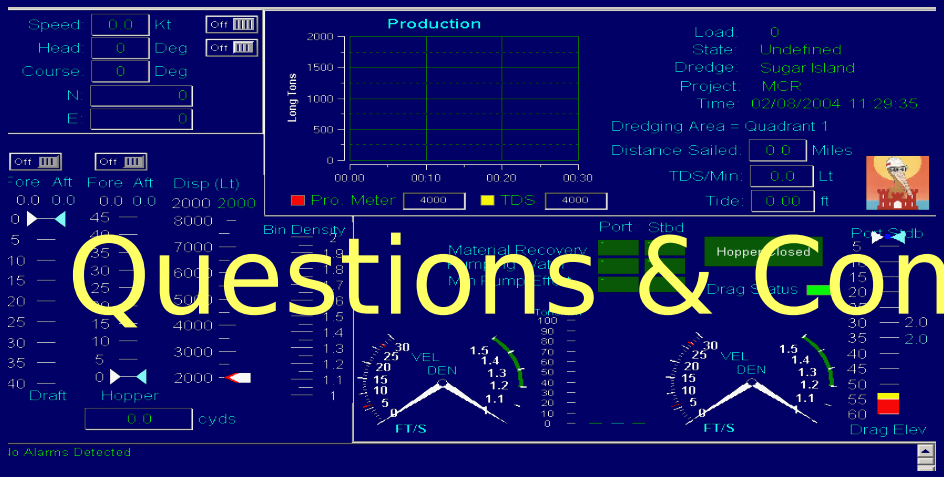
- Resource for the National Team and National functions
- Formula = 0.875% of Dredging Contract
- Plan to resource with P2 template



Stakeholder Issues



- T&E – Turtles & Sturgeon
- Overdepth
- Open Water Disposal Monitoring
- Emergency Response Rentals
- Regionalization
- eGIS, eCoastal, RSM integration
- Decision Support – DODSS



Questions & Comments

- Gary.L.Howell@erdc.usace.army.mil
- http://si.wes.army.mil